

IN THE CLAIMS:

Claims 1-15 (canceled).

Claim 16 (new): A marking or engraving apparatus, in high or low relief, of meat product in the raw or semi-raw state, comprising a programmable logic controller (PLC), which contains attachments for the identification of the meat product, in its raw or semi-raw state, for recognizing type features, size, thickness, temperature, fat volume, water volume/quantity, softness, protein and vitamin capacity rate, frozen state or not, texture, quantity and size of internal bones, among other features according to the nature of the meat product.

Claim 17 (new): A marking or engraving apparatus, according to claim 16, contemplating a programmable logic controller (PLC) with the function of also recognizing and identifying the features of the meat product, including its pH, its color, the quantity of fibers and fat strings existent in its internal body, including micro-fibers, and its internal dimension and depth, width and/or height.

Claim 18 (new): A marking or engraving apparatus, according to claim 17, contemplating a programmable logic controller (PLC), capable of identifying meat bodies of any animal origin, such as bovine, swine, ovine, caprine, poultry, fish, as well as their physical, anatomical and organoleptic aspects.

Claim 19 (new): A marking or engraving apparatus, according to claim 18, after

identification of the meat body, capable of promoting the marking or engraving, through isolated or simultaneous acts, and also in isolated and simultaneous high or low relief.

Claim 20 (new): A marking or engraving apparatus, according to claim 19, containing a laser attachment or able to produce heat, capable of marking or engraving, in low or high relief, reaching most of the depth of the meat body, independently of its type or features.

Claim 21 (new): A marking or engraving apparatus, according to claim 20, capable of marking or engraving, in low or high relief, according to the meat features, the laser ray intensity or heat of which will be applied to reach the meat body, going through the platelets/layers of fat, reaching the meat body itself, with the possibility of reaching different angles at the same time.

Claim 22 (new): A marking or engraving apparatus, according to claim 21, where the laser applying attachment, the wavelength of which is obtained from different components (gas, liquid crystal, chemical reaction, etc.) and applied according to the meat body and its features, with attachments previously regulated through the programmable logic controller (PLC).

Claim 23 (new): A marking or engraving apparatus, according to claim 22, the marking and engraving application attachment of which can be an electronically controlled attachment capable of producing heat, containing marking or engraving mechanisms of the meat body, in high or low relief, with the latter – low relief – capable of reaching a small or

a big depth of the meat body.

Claim 24 (new): A marking or engraving apparatus, according to claim 23, capable of engraving or marking, in high or low relief, meat bodies of any size, thickness or depth, in their raw or semi-raw state including small pieces as for example when ground.

Claim 25 (new): A marking or engraving apparatus, according to claim 24, capable of marking or engraving, in low or high relief, a raw or semi-raw meat body, the marking or engraving of which will not disintegrate, even after preparation for human consumption, passive of recognition in laboratory analysis.

Claim 26 (new): A marking or engraving apparatus, according to claim 25, capable of marking or engraving in low or high relief, without the need of any application of ink or other substances to identify the meat body or the location where it will receive the marking or engraving, without changes in its natural state.

Claim 27 (new): A marking or engraving apparatus, according to 26 claim, capable of engraving or marking in low or high relief, without physical contacts with the meat body.

Claim 28 (new): A marking or engraving apparatus, according to 27 claim, capable of engraving or marking, in low or high relief, with the capability of eliminating any body other than meat, of animal origin and not in its raw or semi-raw state.

Claim 29 (new): A marking or engraving apparatus, according to claim 28, capable of engraving or marking, in low or high relief, with the capability of realizing the engraving or marking operations, preferably regulated by the programmable logic controller, with or without sensor monitoring, capable of controlling the intention of engraving, the form of the character, the design and other information, without disintegrating or affecting the physical and/or natural state of the meat body, including its layers/platelets of fat, strings/fibers, muscles, nerves, bones, fishbones and other features.